

IN THE CLAIMS

Claims 1-42. (Canceled)

43. (New) A program schedule displaying apparatus for displaying a record content, comprising:

storing means for storing a plurality of contents into a memory apparatus;  
content classifying means for classifying said stored contents;  
virtual channel assigning means for assigning said classified contents to a virtual channel;

arranging means for arranging classified contents into said virtual channel;  
user operation receiving means for receiving a user operation for said stored contents;

rescheduling means for rescheduling said virtual channel in accordance with said user operation; and

displaying means for displaying dynamically said virtual channel on display.

44. (New) The program schedule displaying apparatus according to claim 43, wherein:

said displaying means displays an indicator of current replaying position.

45. (New) The program schedule displaying apparatus according to claim 43,  
wherein:

said content classifying means classifies in accordance with a broadcasting time sequence, and order of recommendation rating for the user preference, or past viewing history of the user.

46. (New) The program schedule displaying apparatus according to claim 43,  
wherein:

said user operation is fast forward, rewind, slow, replay or scene jump.

47. (New) The program schedule displaying apparatus according to claim 43,  
further comprising:

current time acquiring means for acquiring current time; and  
calculating means for calculating change value comparing said current time when receiving said user operation.

48. (New) The program schedule displaying apparatus according to claim 43,  
wherein:

said contents are programs provided via ground stations, satellite stations, wireless network or wired network.

49. (New) The program schedule displaying apparatus according to claim 43,  
wherein:

said contents are comprised of visual and sound data.

50. (New) The program schedule displaying apparatus according to claim 43,  
wherein:

said contents are multimedia data or replay application programs.

51. (New) A program schedule displaying method for displaying a record content,  
comprising the steps of:

storing a plurality of contents into a memory apparatus;

classifying said stored contents;

assigning said classified contents to a virtual channel;

arranging classified contents into said virtual channel;

receiving a user operation for said stored contents;

rescheduling said virtual channel in accordance with said user operation; and

displaying dynamically said virtual channel on display.

52. (New) The program schedule displaying method according to claim 51,  
further comprising the step of:

displaying an indicator of current replaying position.

53. (New) The program schedule displaying method according to claim 51,  
further comprising the step of:

classifying in accordance with a broadcasting time sequence, and order of  
recommendation rating for the user preference, or past viewing history of the user.

54. (New) The program schedule displaying method according to claim 51,  
wherein:

said user operation is fast forward, rewind, slow, replay or scene jump.

55. (New) The program schedule displaying method according to claim 51,  
further comprising the steps of:  
acquiring current time; and  
calculating change value comparing said current time when receiving said user  
operation.

56. (New) The program schedule displaying method according to claim 51,

wherein:

    said contents are programs provided via ground stations, satellite stations,  
    wireless network or wired network.

57. (New) The program schedule displaying method according to claim 51,

wherein:

    said contents are comprised of visual and sound data.

58. (New) The program schedule displaying method according to claim 51,

wherein:

    said contents are multimedia data or replay application programs.